

Title (en)

METHOD FOR PREPARING POLYORGANOSILOXANES BY HYDROLYSING ORGANOHALOSILANES

Title (de)

VERFAHREN ZUR HERSTELLUNG VON POLYORGANOSILOXANEN DURCH HYDROLYSE VON ORGANOSILANEN

Title (fr)

PROCEDE DE PREPARATION DE POLYORGANOSILOXANES PAR HYDROLYSE D'ORGANOHALOSILANES

Publication

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Application

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Abstract (en)

[origin: US6326452B1] The invention concerns a method for preparing polyorganosiloxanes by hydrolysing organohalosilanes of formula (I) $R_a R_{1b} SiX_c$, in which R, R1 are identical or different radicals and represent hydrogen or linear or branched C1-C6 alkyls, aryls, alkylaryl or aralkyl. X represents a halogen, and $a+b+c=4$ and $0 < c < 4$; characterised in that it consists essentially in carrying out: at three successive hydrolysing steps (1), (2), (3), wherein the reaction medium is capable of exerting an increasing hydrolysing force on the organohalosilane (I), and optionally, at least a coalescing step (4); in that step (1) is a hydrolysis under pressure in the presence of an aqueous saturate hydrogen halide solution S1, at the reaction medium pressure and temperature; and in that the advanced hydrolysing step (31) brings into the reaction medium a water supply in the form of water free from or practically free from dissolved solutes and/or by means of aqueous hydrogen halide solution(s).

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